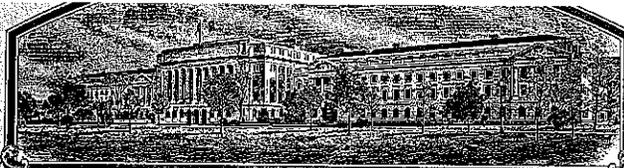


No.

200000227



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Monsanto Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

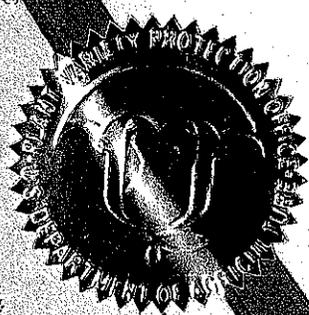
WHEAT, COMMON

'Natchez'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this eighth day of May, in the year of our Lord two thousand one.

Attest:
Alan K. Post
Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Earl W. Benson
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
 (Instructions and information collection burden statement on reverse)

| | | | |
|---|--|--|--|
| 1. NAME OF APPLICANT(S) (as it is to appear on the Certificate) Monsanto Company | | 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER D95-7763 | 3. VARIETY NAME NATCHEZ |
| 4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Wichita Wheat Technology Center 5912 N. Meridian Street Wichita, Kansas 67204-1699 | | 5. TELEPHONE (include area code) 316-755-7705 | FOR OFFICIAL USE ONLY PVPO NUMBER 200000227 |
| 7. GENUS AND SPECIES NAME Triticum aestivum | | 6. FAX (include area code) 316-755-0072 | |
| 8. FAMILY NAME (Botanical) Gramineae | | FILING AND EXAMINATION FEE: 2450.00 | |
| 9. CROP KIND NAME (common name) Soft Red Winter Wheat | | DATE 5-2-2000 | |
| 10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name) Corporation | | CERTIFICATION FEE 300 | |
| 11. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware | 12. DATE OF INCORPORATION 1933 | DATE 4-30-01 | |
| 13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. Blaine Johnson Randy Rich 5912 N. Meridian Street AND Wichita, Kansas 67204-1699 | | 14. TELEPHONE (include area code) 316-755-7705 | |
| | | 15. FAX (include area code) 316-755-0072 | |

MAH
5-18-2000
per letter of
5-12-2000

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)

- a. Exhibit A. Origin and Breeding History of the Variety
- b. Exhibit B. Statement of Distinctness
- c. Exhibit C. Objective Description of the Variety
- d. Exhibit D. Additional Description of the Variety
- e. Exhibit E. Statement of the Basis of the Applicant's Ownership
- f. Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository)
- g. Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)
 YES (if "yes", answer items 18 and 19 below) NO (if "no", go to item 20)

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
 YES NO

19. IF 'YES' TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED?
 FOUNDATION REGISTERED CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
 YES (if "YES", give names of countries and dates) NO

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.
 The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.
 Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

| | | | |
|--|---------------------------|-----------------------------------|------|
| SIGNATURE OF APPLICANT (Owner{s}) <i>Blaine Johnson</i> | | SIGNATURE OF APPLICANT (Owner{s}) | |
| NAME (Please print or type) Dr. Blaine Johnson | | NAME (Please print or type) | |
| CAPACITY OR TITLE Program Director | DATE 1 Feb 2000 | CAPACITY OR TITLE | DATE |

Exhibit A.
Origin and Breeding History of Natchez

Parentage: Wakefield/Coker 9877

Date of Cross: February 1989

The single cross that produced D95-7763 was made in the 1989 spring greenhouse at Brookston, IN. The F1 seeds were grown in a field row near Crawfordsville, AR and harvested in June 1990. Seeds harvested from this F1 row were grown in a 1990-91 F2 bulk plot near Jonesboro, AR. A portion of the harvested F2 bulk plot was space-planted in a 1991-92 F3 bulk plot near Jonesboro, AR. A portion of the harvested F3 bulk plot was thin-seeded in a 1992-93 F4 bulk plot near Cleveland, MS. Heads were selected from this F4 bulk population and grown as F5 Pre-Y1 head-rows in a field near Jonesboro, AR in 1994. The selection that became D95-7763 was selected for disease resistance and excellent agronomic traits. The F6 generation was grown in Yield 1 (Observation) plots near Jonesboro, AK and Cleveland, MS in 1995. D95-7763 has been in advanced testing from 1996 to the present and was tested as APD95-7763 in the 1999 Uniform Southern Soft Wheat Nursery.

In 1998 a 0.2 acre purification increase was grown in Berthoud, Colorado as an initial Breeders Seed increase. In 1999, four acres of Natchez were grown near Berthoud, Colorado to produce 13,900 pounds of Breeder's Seed.

Natchez has been uniform and stable since 1998. Less than 0.5% of the total plants were rogued from either the initial Breeders Seed increase in 1998 or the Breeders Seed field in 1999. Approximately 60% of the variant plants were taller height apically awnletted wheat plants, 3% were a lower vernalizing plant, and approximately 32% of the variant plants were awned wheat plants. Up to 1.0% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement of Distinctness

Natchez is most similar to the soft red winter wheat 'Wakefield'. However, it can be easily distinguished by the following morphological characteristics:

- Natchez is apically awnletted (Berthoud, Colorado 1998 and 1999). Wakefield is awnletted (Crop Science Vol. 31, No. 1991, and field observation Berthoud, Colorado 1998 and 1999).
- Natchez has white coleoptile color (Berthoud, Colorado 1998 and 1999). Wakefield has light purple coleoptile color (Crop Science Vol. 31, No. 1991).
- Natchez has an obtuse beak on the glume shoulder (Berthoud, Colorado 1998 and 1999). Wakefield has an acute beak on the glume shoulder (Crop Science Vol. 31, No. 1991).

U.S. DEPARTMENT OF AGRICULTURE
 AGRICULTURAL MARKETING SERVICE
 SCIENCE DIVISION
 BELTSVILLE, MARYLAND 20705

EXHIBIT C
 (Wheat)

OBJECTIVE DESCRIPTION OF VARIETY
 WHEAT (*Triticum* Spp.)

| | |
|---|--|
| NAME OF APPLICANT(S) Monsanto Company | FOR OFFICIAL USE ONLY |
| | PVPO NUMBER 200000227 |
| ADDRESS (<i>Street and No. or R.F.D. No., City, State, and Zip Code</i>) 5912 N. Meridian Street Wichita, Kansas 67204-1699 | NAME OR EXPERIMENTAL DESIGNATION NATCHEZ |

Place the appropriate number that describes the varietal character of this variety in the boxes below.
 Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.
 Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1 = Common 2 = Durum 3 = Club 4 = Other (*specify*) _____

2. VERNALIZATION:

1 = Spring 2 = Winter 3 = Other (*specify*) _____

3. COLEOPTILE ANTHOCYANIN:

1 = Absent 2 = Present

4. JUVENILE PLANT GROWTH:

1 = Prostrate 2 = Semi-erect 3 = Erect

5. PLANT COLOR (*boot stage*):

1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (*boot stage*):

1 = Erect 2 = Recurved

1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

0 2 Number of Days Earlier Than Mallard *

0 0 Number of Days Later Than _____ *

8. ANTHER COLOR:

1 1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (*from soil to top of head, excluding awns*):

0 0 cm Taller Than _____ *

0 2 cm Shorter Than Clemens *

* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

10. STEM:

A. ANTHOCYANIN

1 1= Absent 2=Present

B. WAXY BLOOM

2 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

2 1=Absent 2=Present

D. INTERNODE (*specify number*) _____

1 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

1 1=Erect 2=Recurved

3 **0** cm Length

11. HEAD (*at Maturity*):

A. DENSITY

2 1=Lax 2=Middense 3= Dense

B. SHAPE

2 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*) _____

C. CURVATURE

2 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

2 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

1 1 = White 2 = Tan 3 = Other (*specify*) _____

B. SHOULDER

2 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

1 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

3 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

3 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

1 1=Rounded 2=Angular

C. BRUSH

2 1=Short 2=Medium 3=Long

1 1 = Not Collared 2 = Collared

D. CREASE

1 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

3 1 = White 2 = Amber 3 = Red 4 = Other (specify) _____

F. TEXTURE

2 1=Hard 2=Soft

G. PHENOL REACTION (see instructions):

0 1 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

| | | | |
|---------------------------------------|---|---------------------------------------|--|
| <input checked="" type="checkbox"/> 2 | Stem Rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Field races | <input checked="" type="checkbox"/> 2 | Leaf Rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) Field races |
| <input checked="" type="checkbox"/> 0 | Stripe Rust (<i>Puccinia striiformis</i>) | <input checked="" type="checkbox"/> 0 | Loose Smut (<i>Ustilago tritici</i>) |
| <input checked="" type="checkbox"/> 0 | Tan Spot (<i>Pyrenophora tritici-repentis</i>) | <input checked="" type="checkbox"/> 0 | Flag Smut (<i>Urocystis agropyri</i>) |
| <input checked="" type="checkbox"/> 0 | Halo Spot (<i>Selenophoma donacis</i>) | <input checked="" type="checkbox"/> 0 | Common Bunt (<i>Tilletia tritici</i> or <i>T. laevis</i>) |
| <input checked="" type="checkbox"/> 0 | <i>Septoria nodorum</i> (Glume Blotch) | <input checked="" type="checkbox"/> 0 | Dwarf Bunt (<i>Tilletia controversa</i>) |
| <input checked="" type="checkbox"/> 0 | <i>Septoria avenae</i> (Speckled Leaf Disease) | <input checked="" type="checkbox"/> 0 | Karnal Bunt (<i>Tilletia indica</i>) |
| <input checked="" type="checkbox"/> 4 | <i>Septoria tritici</i> (Speckled Leaf Blotch) Field races | <input checked="" type="checkbox"/> 4 | Powdery Mildew (<i>Erysiphe graminis</i> f. sp. <i>tritici</i>) Field races |
| <input checked="" type="checkbox"/> 0 | Scab (<i>Fusarium</i> spp.) | <input checked="" type="checkbox"/> 0 | Snow Molds |
| <input checked="" type="checkbox"/> 0 | Black Point (Kernel Smudge) | <input checked="" type="checkbox"/> 0 | Common Root Rot (<i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.) |
| <input checked="" type="checkbox"/> 0 | Barley Yellow Dwarf Virus (BYDV) | <input checked="" type="checkbox"/> 0 | Rhizoctonia Root Rot (<i>Rhizoctonia solani</i>) |
| <input checked="" type="checkbox"/> 2 | Soilborne Mosaic Virus (SBMV) Field races | <input checked="" type="checkbox"/> 0 | Black Chaff (<i>Xanthomonas campestris</i> pv. <i>translucens</i>) |
| <input checked="" type="checkbox"/> 0 | Wheat Yellow (Spindle Streak) Mosaic Virus Field races | <input checked="" type="checkbox"/> 0 | Bacterial Leaf Blight (<i>Pseudomonas syringae</i> pv. <i>syringae</i>) |
| <input checked="" type="checkbox"/> 0 | Wheat Streak Mosaic Virus (WSMV) Field races | <input type="checkbox"/> | Other (specify) _____ |
| <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | Other (specify) _____ |
| <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | Other (specify) _____ |
| <input type="checkbox"/> | Other (specify) _____ | <input type="checkbox"/> | Other (specify) _____ |

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

| | | | |
|---------------------------------------|---|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> 0 | Hessian Fly (<i>Mayetiola destructor</i>) | <input type="checkbox"/> | Other (<i>specify</i>) |
| <input checked="" type="checkbox"/> 0 | Stem Sawfly (<i>Cephus</i> spp.) | <input type="checkbox"/> | Other (<i>specify</i>) |
| <input checked="" type="checkbox"/> 0 | Cereal Leaf Beetle (<i>Oulema melanopa</i>) | <input type="checkbox"/> | Other (<i>specify</i>) |
| <input checked="" type="checkbox"/> 0 | Russian Aphid (<i>Diuraphis noxia</i>) | <input type="checkbox"/> | Other (<i>specify</i>) |
| <input checked="" type="checkbox"/> 0 | Greenbug (<i>Schizaphis graminum</i>) | <input type="checkbox"/> | Other (<i>specify</i>) |
| <input checked="" type="checkbox"/> 0 | Aphids | | |

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.
Additional Description of Natchez

Natchez is a soft red winter wheat bred and developed by Agripro Wheat. Natchez is high yielding, strong strawed, medium tall wheat with midseason maturity.

Juvenile growth habit is semierect. Plant color is green at boot stage. The flag leaf is recurved and twisted. Anther color is yellow. Auricle anthocyanin and auricle hairs are present. Waxy bloom is present on the stem, flag leaf sheath and head. The head is strap, middense and apically awnletted. The glume at maturity is long in length and wide in width. Shoulder shape on the glume is oblique with and obtuse beak. Seed shape is ovate. Brush length is medium. Seed crease width is narrow and depth is shallow.

Natchez is adapted to the Carolinas; the northern two-thirds of Georgia, Alabama, Mississippi, and Louisiana; all of Arkansas, western Tennessee the bootheel of Missouri, and northern Texas.

Agripro D95-7763
Milling and Baking Quality

| YR | VARIETY or LINE | LOC-CODE | Wheat | MILLING | | | BAKING | | | NORRIS HARDNESS |
|----------------|--------------------|----------|--------------|------------------|------------------|-------------|------------------|--------------------|-----------|--------------------|
| | | | Protein % | Break Flour % | Total Flour % | Test Wt. | Flour Prot. % | Cookie Diam. mm | T.G. R | |
| 96 | D95-7763 | UA-71107 | 9.1 | 42.1 | 64.9 | 56.2 | 7.3 | 17.6 | 3 | 11 |
| 97 | D95-7763 | SM-96306 | 9.7 | 39.5 | 67.6 | 58.1 | 8.2 | 17.2 | 9 | 19 |
| 97 | D95-7763 | DA-96306 | 8.8 | 42.8 | 67.2 | 56.7 | 7.2 | 17.0 | 7 | 17 |
| 98 | D95-7763 | SM-96212 | 10.8 | 40.7 | 69.4 | 56.8 | 9.3 | 17.7 | 5 | 23 |
| 98 | D95-7763 | DA-96212 | 8.6 | 41.0 | 69.3 | 59.3 | 7.4 | 18.6 | 7 | 12 |
| AVERAGE | | | 9.4 | 41.2 | 67.7 | 57.4 | 7.9 | 17.6 | 6 | 16 |

Very High Quality Check for Comparison

| | | | | | | | | | | |
|----------------|---------|----------|------------|-------------|-------------|-------------|------------|-------------|----------|-----------|
| 96 | MALLARD | UA-71101 | 9.5 | 43.7 | 68.5 | 55.1 | 8.1 | 17.8 | 2 | 12 |
| 97 | MALLARD | SM-96301 | 7.7 | 45.9 | 71.9 | 57.0 | 7.1 | 17.7 | 8 | 13 |
| 97 | MALLARD | DA-96301 | 8.1 | 46.7 | 73.3 | 55.1 | 7.5 | 17.8 | 7 | 17 |
| 98 | MALLARD | SM-96201 | 9.4 | 47.6 | 72.7 | 54.6 | 8.7 | 18.5 | 2 | 12 |
| 98 | MALLARD | DA-96201 | 7.7 | 44.3 | 71.0 | 58.3 | 6.7 | 19.0 | 3 | 13 |
| AVERAGE | | | 8.5 | 45.6 | 71.5 | 56.0 | 7.6 | 18.2 | 4 | 13 |

Supportive Information for D95-7763 Wheat

1996 - 1999 Midsouth Adapted Area Yield Trials (Agripro)
Agronomic and Pathologic Data

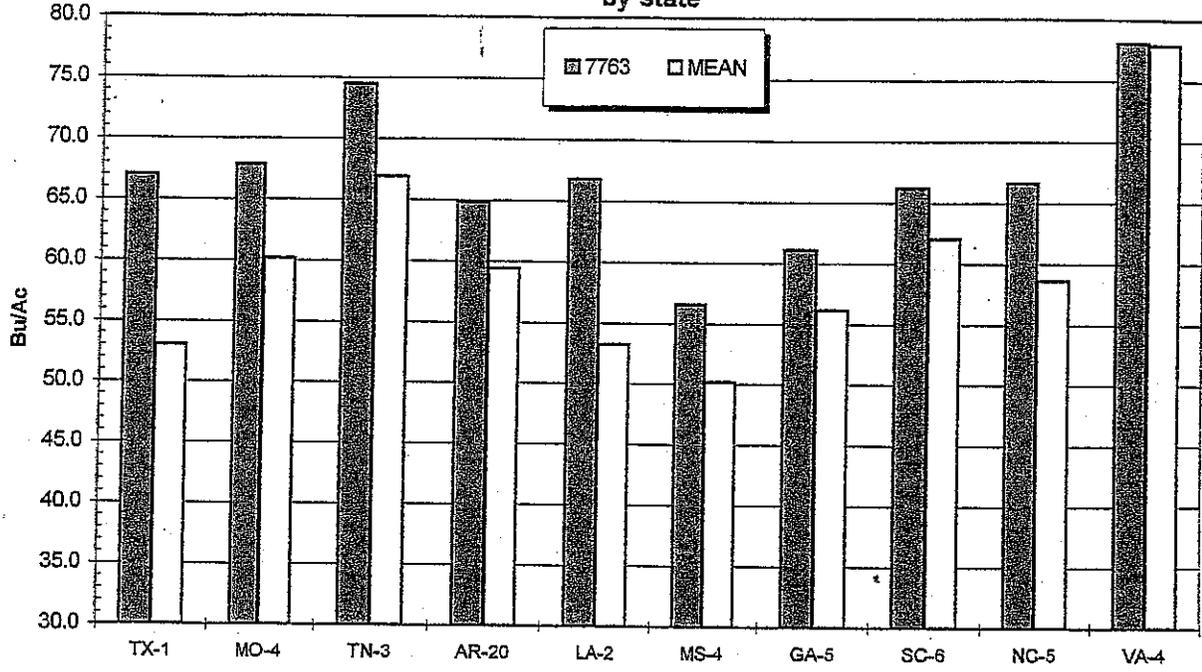
| | 50% | Maturity | Height | Seed | Test | Lodging | Winter | Soil Virus | Leaf | Stem | Bacterial | -- Septoria -- | | BYDV |
|-----------------|---------------|---------------|--------------|-------------|-------------|------------|------------|------------|------------|------------|------------|----------------|------------|------------|
| | Heading | | | TKW | Weight | | Kill | Complex | Rust | Rust | Stripe | Nodorum | Tritici | |
| | (day of year) | (day of year) | (cm.) | (g) | (lb/bu) | (1-9) | (1-9) | (1-9) | (1-9) | (1-9) | (1-9) | (1-9) | (1-9) | (1-9) |
| D95-7763 | 111.0 | 149.3 | 104.1 | 37.7 | 58.4 | 2.7 | 3.8 | 2.2 | 1.8 | 2.0 | 4.0 | 3.0 | 2.5 | 4.0 |
| Pioneer 2684 | 101.4 | 146.0 | 88.6 | 37.3 | 59.2 | 1.3 | 6.6 | 3.2 | 6.2 | 5.0 | 6.0 | 7.0 | 3.5 | 5.0 |
| Mallard | 113.2 | 149.5 | 92.3 | 32.0 | 57.0 | 2.7 | 2.5 | 4.2 | 2.2 | 5.0 | 1.0 | | 2.5 | 4.0 |
| Coker 9663 | 106.0 | 150.3 | 101.9 | 38.0 | 58.7 | 5.3 | 3.1 | 5.2 | 1.0 | | 3.0 | 4.0 | | 2.0 |
| Clemens | 115.2 | 150.5 | 106.1 | 34.0 | 58.0 | 3.3 | 1.5 | 4.4 | 1.8 | 2.0 | 1.0 | | 2.0 | 3.0 |
| # Locations | 5 | 2 | 9 | 3 | 9 | 3 | 4 | 5 | 6 | 1 | 1 | 1 | 1 | 1 |
| # Years | 3 | 2 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 |

Mason (tkw) =40

Note: Extremes for the 1-9 Ratings in this table are as follows:

| | | |
|-------------|------------------|-----------------|
| | <u>1</u> | <u>9</u> |
| Lodging | V.Strong Straw | V.Weak Straw |
| Winter Kill | All Leaves Green | All Leaves Dead |
| Diseases | Very Resistant | Susceptible |

D95-7763 Yield vs. Trial Mean Yield by state



State & No. of Trials Agripro 1996-1999

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

| | | |
|---|---|--|
| 1. NAME OF APPLICANT(S) Monsanto Company | 2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER D95-7763 | 3. VARIETY NAME 'NATCHEZ' |
| 4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) Wichita Wheat Technology Station 5912 N. Meridan Street Wichita, Kansas 67204-1699 | 5. TELEPHONE (include area code) 316-755-7705 | 6. FAX (include area code) 316-755-0072 |
| 7. PVPO NUMBER 200000227 | | |

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. YES NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? YES NO
If no, give name of country

10. Is the applicant the original owner? YES NO If no, please answer one of the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

YES NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

YES NO If no, give name of country

11. Additional explanation on ownership (if needed, use reverse for extra space):

*Please see following page.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Exhibit E.
Statement of the Basis of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by J. Barton Fogleman, an employee of Agripro Wheat. By agreement between employees and Agripro Wheat all rights to any invention, discovery, or development made by the employee while employed by Agripro Wheat, were assigned to Agripro Wheat, with no rights of any kind pertaining to 'Natchez' being retained by the employees.

By contractual agreement the variety 'Natchez' was purchased from Agripro Wheat, a business unit of Advanta USA, Inc. in June of 1996 and is currently owned by Monsanto Company.